

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-5. (Canceled).

6. (Currently Amended) A fuel cell system, comprising:

a main fuel cell stack ~~that an~~ including a plurality of anodes ~~anode~~ and ~~a cathode~~ cathodes arranged in a state ~~that in which~~ an electrolyte membrane is interposed therebetween;

a fuel supplying ~~unit device~~ connected with the ~~anode~~ anodes of the main fuel cell stack by a fuel supplying line ~~for supplying that supplies~~ hydrogen-including fuel to the ~~anode~~ anodes;

an air supplying ~~unit device~~ connected to the ~~cathode~~ cathodes of the main fuel cell stack by an air supplying line ~~for supplying that supplies~~ oxygen-including air to the ~~cathode~~ cathodes;

a heating ~~unit device~~ installed between the fuel supplying line and the air supplying line ~~for heating that heats~~ fuel and air supplied to the main fuel cell stack by using hydrogen generated at the ~~anode~~ anodes after reaction as a ~~heating~~ heat source; and

a sub fuel cell stack ~~for using that uses~~ hydrogen generated at the ~~anode~~ anodes during reaction as fuel.

7. (Currently Amended) The fuel cell system of claim 6, further comprising:

a gas/liquid separator ~~for obtaining that obtains~~ hydrogen generated at the main fuel cell stack after reaction; and

a recycling line connected between the gas/liquid separator and the fuel supplying ~~unit for recollecting device that recollects~~ fuel exhausted from the gas/liquid separator into a fuel tank.

8. (Currently Amended) The fuel cell system of claim 7, ~~wherein further comprising~~ an open/close valve ~~for that~~ selectively ~~opening opens~~ either a flow channel connecting the heating ~~unit device~~ and the gas/liquid separator or a flow channel connecting the sub fuel cell stack and the gas/liquid separator ~~is installed~~ between said two flow channels.

9. (Currently Amended) The fuel cell system of claim 8, further comprising a controller ~~for maintaining that maintains~~ a temperature of the heating ~~unit as device at~~ a proper level by controlling a hydrogen amount supplied to the sub fuel cell stack and ~~for controlling that controls~~ an opening degree of an open/close valve in order to supply hydrogen to the sub fuel cell stack.

10. (Currently Amended) The fuel cell system of claim 9, wherein the controller controls an opening degree of the open/close valve according to an electric signal applied from a

temperature sensor installed at the heating ~~unit for detecting device that detects~~ a temperature of the heating ~~unit device~~.

11. (Currently Amended) The fuel cell system of claim 10, wherein the temperature sensor is installed at one of a heat generating part, a fuel pipe, ~~and or~~ an air pipe of the heating ~~unit device~~.

12. (Original) The fuel cell system of claim 9, wherein the controller controls an opening degree of the open/close valve according to an output of the sub fuel cell stack.

13. (Currently Amended) The fuel cell system of claim 9, wherein the controller controls an opening degree of the open/close valve according to an electric signal applied from a flow amount sensor installed at ~~the a~~ a hydrogen exhausting line ~~for detecting to detect~~ a hydrogen amount and the temperature sensor installed at the heating ~~unit for detecting device to detect~~ a temperature of the heating ~~unit device~~.

14. (Currently Amended) The fuel cell system of claim 7, wherein the heating ~~unit device~~ comprises:

a housing to which a fuel pipe ~~for passing that passes~~ fuel supplied to the ~~anode~~ anodes of the main fuel cell stack and an air pipe ~~for passing that passes~~ air supplied to the ~~cathode~~ cathodes are respectively mounted;

a blast fan installed at the housing ~~for blowing that blows~~ external air to inside of the housing; and

a combustor at an inside of which a catalyst is mounted and to which oxygen including air blown by the blast fan and hydrogen exhausted from the gas/liquid separator are respectively introduced.

15. (Currently Amended) The fuel cell system of claim 6, wherein fuel stored in the fuel tank is an aqueous solution of  $\text{NaBH}_4$ .

16. (Original) The fuel cell system of claim 6, wherein the sub fuel cell stack is a polymer electrolyte membrane fuel cell (PEMFC).

17. (Currently Amended) The fuel cell system of claim 7, wherein the sub fuel cell stack ~~is constituted in accordance with that~~ comprises a cathode plurality of cathodes to which oxygen including air is supplied from the air supplying-unit device and ~~an anode~~ a plurality of anodes to which hydrogen exhausted from the gas/liquid separator is supplied ~~are~~ stacked in a state ~~that in which~~ an electrolyte membrane is positioned therebetween.

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18-27. (Canceled).